

Claims 1 – 7 are pending in this application with Claims 1 and 7 being amended by this response and Claim 8 being added.

1. (Currently Amended) A critical care workstation, comprising:
a display device;
a processor, coupled to the display device, executing:
a general purpose operating system, controlling execution of a selected one of a plurality of non-real-time application programs for displaying images representing non-real-time data on the display device; and
a real-time kernel, controlling execution of a process for displaying images representing real-time data on the display device simultaneously concurrently with the display of the non-real-time data; and

wherein the general purpose operating system and the real-time kernel are both arranged to execute as processes on the processor using a common operating system kernel; and

circuitry, responsive to user input, for selecting the non-real-time display program from among a plurality of available non-real-time display programs.

2. (Currently Amended) The workstation of claim 1 wherein the general purpose operating system executes simultaneous concurrent with and independent from the real-time kernel.

3. (Previously Presented) The workstation of claim 1 further comprising a storage device, coupled to the processor, wherein the plurality of non-real-time application programs are stored on the storage device and the general purpose operating system selects one of the stored plurality of non-real-time application programs in response to the user input.

4. (Original) The workstation of claim 3 wherein the storage device stores code and data representing the non-real-time application program and the processor retrieves the stored code and data representing the selected non-real-time application and controls the execution of the retrieved code and data.
5. (Original) The workstation of claim 1 further comprising a connection to a network comprising a server capable of storing the plurality of non-real-time application programs and the general purpose operating system selects one of the stored plurality of non-real-time application programs in response to the user input.
6. (Original) The workstation of claim 5 wherein the server stores code and data representing the non-real-time application program and the processor retrieves the stored code and data representing the selected non-real-time application and controls the execution of the retrieved code and data.
7. (Currently Amended) The workstation of claim 4, wherein the real-time data is physiological data.
8. (New) The workstation of claim 1, wherein a displayed image concurrently displays both non-real time and real time data.